

L Number	Hits	Search Text	DB	Time stamp
6	7	((("6700839") or ("6611812") or ("6574609") or ("6484199") or ("6389467") or ("6026439") or ("5892915"))).PN.	USPAT	2004/06/03 05:50
7	811	(list\$4 inded\$4 playlist or play-list or (play adj list)) same (track clip\$5 sample segment) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))	USPAT	2004/06/03 05:51
8	2491	(table list\$4 inded\$4 playlist or play-list or (play adj list)) same (track clip\$5 sample segment) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))	USPAT	2004/06/03 05:51
9	8	((("6700839") or ("6611812") or ("6574609") or ("6484199") or ("6389467") or ("6026439") or ("5892915") or ("6441832"))).PN.	USPAT	2004/06/03 05:51
12	53	((("4608688") or ("4755928") or ("5109482") or ("5175837") or ("5206939") or ("5208665") or ("5218672") or ("5218695") or ("5255270") or ("5267092") or ("5269011") or ("5276860") or ("5276867") or ("5335352") or ("5341493") or ("5367698") or ("5371532") or ("5381539") or ("5408465") or ("5410343") or ("5414455") or ("5442390") or ("5442771") or ("5469270") or ("5477263") or ("5508732") or ("5508733") or ("5528282") or ("5528513") or ("5530557") or ("5533021") or ("5534912") or ("5537408") or ("5539660") or ("5544313") or ("5544327") or ("5544345") or ("5544347") or ("5550577") or ("5553005") or ("5553281") or ("5557317") or ("5559949") or ("5583561") or ("5584006") or ("5586264") or ("5594910") or ("5603058") or ("5606359") or ("5640320") or ("5687332") or ("5732219") or ("5799150"))).PN.	USPAT	2004/06/03 05:51
13	75	((("4608688") or ("4755928") or ("5109482") or ("5175837") or ("5206939") or ("5208665") or ("5218672") or ("5218695") or ("5255270") or ("5267092") or ("5269011") or ("5276860") or ("5276867") or ("5335352") or ("5341493") or ("5367698") or ("5371532") or ("5381539") or ("5408465") or ("5410343") or ("5414455") or ("5442390") or ("5442771") or ("5469270") or ("5477263") or ("5508732") or ("5508733") or ("5528282") or ("5528513") or ("5530557") or ("5533021") or ("5534912") or ("5537408") or ("5539660") or ("5544313") or ("5544327") or ("5544345") or ("5544347") or ("5550577") or ("5553005") or ("5553281") or ("5557317") or ("5559949") or ("5583561") or ("5584006") or ("5586264") or ("5594910") or ("5603058") or ("5606359") or ("5640320") or ("5687332") or ("5732219") or ("5799150") or ("4460958") or ("5051973") or ("5363345") or ("5457669") or ("5570340") or ("5594601") or ("5594709") or ("5668788") or ("5790443") or ("5890910") or ("6023706") or ("6073228") or ("6091674") or ("6122646") or ("6128255") or ("6185163") or ("6247130") or ("6248946") or ("6388958") or ("6446080") or ("6452875") or ("6542445"))).PN.	USPAT	2004/06/03 05:51

20	1344	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 track-list\$4 track adj list\$4) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4)))	USPAT	2004/06/03 07:33
21	1101	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 track-list\$4 track adj list\$4) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:51
22	1086	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 track-list\$4 track adj list\$4) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.) and ad<=20000328	USPAT	2004/06/03 05:51
23	931	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 track-list\$4 track adj list\$4) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.) and @ad<=20000328	USPAT	2004/06/03 05:52
24	815	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 track-list\$4 track adj list\$4) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.) and @ad<=19990328	USPAT	2004/06/03 05:52
25	1101	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 track-list\$4 (track adj list\$4)) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:52
26	1101	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:52
27	1101	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:52
29	71	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) adj200 (playback or play-back or play\$4) adj200 (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:52
31	0	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) adj200 (playback or play-back or play\$4) adj200 (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4)) adj200 (download\$4 transfer\$5 transmi\$7)).detd.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:52
33	20593	(matsushita adj electric).as.	USPAT	2004/06/03 05:53

34	26549	(table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) and ((matsushita adj electric).as.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:53
35	7134	(table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)).detd. and ((matsushita adj electric).as.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:53
40	256	(matsushita adj electric).as. and (playback same position)	USPAT	2004/06/03 05:53
41	18	(matsushita adj electric).as. and (playback same position same table)	USPAT	2004/06/03 05:53
45	2369	(matsushita adj electric).as. and (seek\$4 find\$4 fastforward\$4)	USPAT	2004/06/03 05:53
46	2726	(matsushita adj electric).as. and (seek\$4 find\$4 fastforward\$4)	USPAT	2004/06/03 05:53
47	3780	(matsushita adj electric).as. and ((seek\$4 find\$4 fastforward\$4) sam table same position)	USPAT	2004/06/03 05:53
54	3651	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) same (play play-back playback)).ab.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:53
1	2	(playlist or play-list or (play adj list)) same (download\$5 retriev\$5) same (click\$5 select\$5) same (clip\$5 sample segment) same (play\$4 list\$4 hear\$4)	EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:53
2	8	(playlist or play-list or (play adj list)) same (download\$5 retriev\$5) same (click\$5 select\$5) same (clip\$5 sample segment) same (play\$4 list\$4 hear\$4)	USPAT	2004/06/03 05:53
3	1	(playlist or play-list or (play adj list)) same (track clip\$5 sample segment) same (jump skip fast-forward or fast adj forward)	EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:53
4	27	(playlist or play-list or (play adj list)) same (track clip\$5 sample segment) same (jump skip fast-forward or fast adj forward)	USPAT	2004/06/03 05:53
5	36	(playlist or play-list or (play adj list)) same (track clip\$5 sample segment) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))	USPAT	2004/06/03 05:53
10	7	((list\$4 inded\$4 playlist or play-list or (play adj list)) and (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))) and (((("6700839") or ("6611812") or ("6574609") or ("6484199") or ("6389467") or ("6026439") or ("5892915") or ("6441832")).PN.)	USPAT	2004/06/03 05:53
11	1	((list\$4 index\$4 playlist or play-list or (play adj list)) and (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))) and ((("5892915").PN.)	USPAT	2004/06/03 05:53

14	37	((list\$4 index\$4 playlist or play-list or (play adj list)) and (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))) and (((("4608688") or ("4755928") or ("5109482") or ("5175837") or ("5206939") or ("5208665") or ("5218672") or ("5218695") or ("5255270") or ("5267092") or ("5269011") or ("5276860") or ("5276867") or ("5335352") or ("5341493") or ("5367698") or ("5371532") or ("5381539") or ("5408465") or ("5410343") or ("5414455") or ("5442390") or ("5442771") or ("5469270") or ("5477263") or ("5508732") or ("5508733") or ("5528282") or ("5528513") or ("5530557") or ("5533021") or ("5534912") or ("5537408") or ("5539660") or ("5544313") or ("5544327") or ("5544345") or ("5544347") or ("5550577") or ("5553005") or ("5553281") or ("5557317") or ("5559949") or ("5583561") or ("5584006") or ("5586264") or ("5594910") or ("5603058") or ("5606359") or ("5640320") or ("5687332") or ("5732219") or ("5799150") or ("4460958") or ("5051973") or ("5363345") or ("5457669") or ("5570340") or ("5594601") or ("5594709") or ("5668788") or ("5790443") or ("5890910") or ("6023706") or ("6073228") or ("6091674") or ("6122646") or ("6128255") or ("6185163") or ("6247130") or ("6248946") or ("6388958") or ("6446080") or ("6452875") or ("6542445")).PN.))	USPAT	2004/06/03 05:53
15	10	((("4779252") or ("4949322") or ("5109365") or ("5168481") or ("5228015") or ("5392264") or ("5394384") or ("5467326") or ("5481509") or ("5568455")).PN.	USPAT	2004/06/03 05:53
16	52	((seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4)) same stream\$4 same multimedia).detd.	USPAT	2004/06/03 05:53
17	13	((("5168353") or ("5191645") or ("5202961") or ("5237648") or ("5388197") or ("5461415") or ("5513306") or ("5517257") or ("5544313") or ("5561637") or ("5583561") or ("5594469") or ("5635979")).PN.	USPAT	2004/06/03 05:53
18	33	((("5315591") or ("5327426") or ("5499245") or ("5511208") or ("5515380") or ("5539745") or ("5539749") or ("5602836") or ("5644507") or ("5657452") or ("5751968") or ("5768525") or ("5790770") or ("5793978") or ("5802320") or ("5822540") or ("5878231") or ("5884025") or ("5905872") or ("5918013") or ("5931904") or ("5941988") or ("5944780") or ("5946294") or ("5951646") or ("5963551") or ("5996015") or ("6003089") or ("6006273") or ("6041355") or ("6085252") or ("6098108") or ("6105064")).PN.	USPAT	2004/06/03 05:53
19	2	((list\$4 index\$4 playlist or play-list or (play adj list) or playback or play-back or play) and (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))) and (5892915.pn. or 5627936.pn.)	USPAT	2004/06/03 05:53

28	815	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 track-list\$4 track adj list\$4) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.) and @ad<=19990328	USPAT	2004/06/03 05:54
30	52	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) adj200 (playback or play-back or play\$4) adj200 (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))).detd.) and @ad<=19990328	USPAT	2004/06/03 05:54
32	156	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) same (playback or play-back or play\$4) same (seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4)) same (download\$4 transfer\$5 transmi\$7)).detd.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:54
36	150	((hyperlinks url link hyper-links) same (table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4))).detd. and ((matsushita adj electric).as.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:54
37	19	((fast-forward fastforward seek find\$4) same (hyperlinks url link hyper-links) same (table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4))).detd. and ((matsushita adj electric).as.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:54
38	1		USPAT	2004/06/03 05:54
39	1		USPAT	2004/06/03 05:54
42	21	(matsushita adj electric).as. and (playback same position same table)	USPAT	2004/06/03 05:54
43	1		USPAT	2004/06/03 05:54
44	1		USPAT	2004/06/03 05:54
48	37	(matsushita adj electric).as. and ((seek\$4 find\$4 fastforward\$4) same table same position)	USPAT	2004/06/03 05:54
49	2	(matsushita adj electric).as. and (playlist tracklist)	USPAT	2004/06/03 05:54
50	30	(matsushita adj electric).as. and (playlist tracklist ((play track) adj list))	USPAT	2004/06/03 05:54
51	1		USPAT	2004/06/03 05:54
52	1		USPAT	2004/06/03 05:54
53	1	("6248946").PN.	USPAT	2004/06/03 05:54
55	12	84/603.ccls. and (web or internet and stream\$4)	USPAT	2004/06/03 05:54
56	126	(stream\$5 same (table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) same (play play-back playback (play adj back))).ab.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/06/03 05:54
57	27	((stream\$5 same (table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 or track-list\$4 or (track adj list\$4)) same (play play-back playback (play adj back))).ab.) and @ad<=20001220	USPAT	2004/06/03 06:07

61	1	((server user\$2) same (table list\$4 index\$4 play\$5 or (play adj list) or track\$5 or track-list\$4 or (track adj list\$4))) and 6662231.pn.	USPAT	2004/06/03 07:33
62	133052	((table list\$4 index\$4 playlist or play-list or (play adj list) or tracklist\$4 track-list\$4 track adj list\$4) same (forward\$4 back\$4 seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4)))	USPAT	2004/06/03 07:34
63	170	((playlist\$4 or play-list\$4 or (play adj list\$4) or tracklist\$4 track-list\$4 track adj list\$4) same (forward\$4 back\$4 seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4)))	USPAT	2004/06/03 07:37
64	156	((((playlist\$4 or play-list\$4 or (play adj list\$4) or tracklist\$4 track-list\$4 track adj list\$4) same (forward\$4 back\$4 seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))) and @ad<20001220	USPAT	2004/06/03 07:38
65	69	((button action command\$4 request\$4) same (playlist\$4 or play-list\$4 or (play adj list\$4) or tracklist\$4 track-list\$4 track adj list\$4) same (forward\$4 back\$4 seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4)))	USPAT	2004/06/03 07:38
66	60	(((button action command\$4 request\$4) same (playlist\$4 or play-list\$4 or (play adj list\$4) or tracklist\$4 track-list\$4 track adj list\$4) same (forward\$4 back\$4 seek\$4 jump\$4 skip\$4 fast-forward\$4 or (fast adj forward\$4))) and @ad<20001220	USPAT	2004/06/03 07:38

1. A data reception/playback method for receiving and playing stream data including at least one of audio and video, said method comprising the steps of:

before receiving the stream data, requesting a transmitting end to transmit part or whole of a playback start position table including at least one position where data playback can be started from some midpoint in the stream data;

receiving the playback start position table;

selecting one playback start position from the received playback start position table;

requesting the transmitting end to transmit the stream data from the selected playback start position; and
receiving and playing the stream data which has been transmitted from the playback start position.

2. the playback start position table is stored in a file different from a file containing the stream data;

transmission of the file containing the playback start position table is requested to the transmitting end before reception of the stream data; and

the playback start position table is extracted from the received file containing the table.

3. the playback start position table, the stream data, and information about the position of the playback start position table are stored in one file;

transmission of the file is requested to the transmitting end;

the information about the position of the playback start position table is extracted from the data of the file received;

transmission of the file from the position indicated by the information about the position of the playback start position table is requested to the transmitting end; and
the playback start position table is obtained from the received data.

4. wherein the playback start position table received at the time of data playback is stored, and the stored table is used for the next and later data playback.

5. when playing the stream data from the head of the stream, the stream data is received and played without requesting transmission of the playback start position table; and

when playing the stream data from some midpoint in the stream, transmission of the playback start position table is requested.

6. wherein the information about the position of the playback start position table is stored at the time of data playback, and this positional information is used for the next and later data playback.

7. A data reception/playback apparatus for receiving and playing stream data including at least one of audio and video, said apparatus comprising:
transmission request sending means for sending a transmission request to a transmission apparatus;
reception means for receiving data transmitted from the transmission apparatus in response to the transmission request;
playback start position selection means for selecting a playback start position from a playback start position table where at least one playback start position is stored; and
playback means for playing the stream data;
wherein the transmission request sending means requests the transmission apparatus to transmit the playback start position table,
the reception means receives the playback start position table,
the transmission start position selection means selects a playback start position from the playback start position table,
the transmission request sending means requests the transmission apparatus to transmit the stream data from the playback start position,
the reception means receives the stream data, and
the playback means plays the received stream data.
8. A data reception/playback method for receiving and playing stream data including at least one of audio and video, wherein:
when data playback is to be halted temporarily, a request for transmission halt is made to the transmitting end by halting data reception from a lower communication protocol; and
when data playback is to be restarted, a request for transmission restart is made to the transmitting end by restarting data reception from the lower communication protocol.

9. A data reception/playback method for receiving and playing stream data including at least one of audio and video, wherein:
when receiving and playing plural stream data simultaneously by using plural connections which are individually controllable, if reception of stream data in a connection is delayed for a playback time, playback of all the stream data is halted, and a request for suspension of data transmission in the connections including stream data other than the stream data which is delayed in reception, is output to the transmitting end; and
when the quantity of the stream data which is delayed in reception exceeds a predetermined value, playback of all the stream data is restarted, and a request for restart of data transmission in the suspended connections is output to the transmitting end.
10. A data reception/playback apparatus for receiving and playing stream data including at least one of audio and video, said apparatus comprising:
transmission request sending means for requesting a transmission apparatus to transmit plural stream data;
reception means for receiving the stream data;
reception buffer for storing the stream data;
playback means for playing the stream data stored in the reception buffer; and
reception buffer monitor means for monitoring the quantity of data stored in the reception buffer;
wherein, when the reception buffer monitor means detects that reception of stream data is delayed for a playback time,
the playback means halts playback of all the stream data, and
the transmission request sending means requests the transmission apparatus to suspend data transmission in connections including stream data other than the stream data which is delayed in reception; and
when the reception buffer monitor means detects that the quantity of the stream data which is delayed in reception exceeds a predetermined value, the playback means restarts playback of all the stream data, and
the transmission request *sending means* requests the transmission apparatus to restart data transmission in the connection which is **suspended**.

12. A data transmission apparatus for transmitting stream data including at least one of audio and video according to a playback speed specified by a receiving end, said apparatus comprising:

data storage means having, as files, plural stream data having different playback speeds;

playback speed/file mapping table buffer containing a playback speed/file mapping table which indicates the correspondences between the playback speeds and the files;

transmission request reception means for receiving and analyzing a **request for transmission stream data** from the receiving end;

playback speed information extraction means for extracting information of a playback speed, from the transmission request received by the transmission request reception means;

file selection means for selecting a file corresponding to the playback speed with reference to the playback speed/file mapping table stored in the playback speed/file mapping table buffer;

file reading means for reading the file selected by the file selection means from the data storage means; and
transmission means for transmitting the data of the file read by the file reading means.